		DEPARTMENT	ATE OF UTAH OF NATURAL RES F OIL, GAS AND N				FOR AMENDED REPOR	
APPLI	CATION FOR F	PERMIT TO DRILL				1. WELL NAME and Greater	NUMBER Monument Butte Q-6	-9-17
2. TYPE OF WORK DRILL NEW WELL	REENTER P&A	WELL DEEPE	N WELL			3. FIELD OR WILDO	AT IONUMENT BUTTE	
4. TYPE OF WELL Oil We	ell Coalbed	d Methane Well: NO				5. UNIT or COMMU	NITIZATION AGRE GMBU (GRRV)	EMENT NAME
6. NAME OF OPERATOR	WFIELD PRODUCT	FION COMPANY				7. OPERATOR PHO	NE 435 646-4825	
8. ADDRESS OF OPERATOR	t 3 Box 3630 , My	ton, UT, 84052				9. OPERATOR E-MA	IL rozier@newfield.com	<u> </u>
10. MINERAL LEASE NUMBER	-	11. MINERAL OWNE	RSHIP			12. SURFACE OWN		
(FEDERAL, INDIAN, OR STATE) UTU-20252A		FEDERAL (IND)	IAN STATE () FEE ()	-	DIAN STATE	FEE (
13. NAME OF SURFACE OWNER (if box 12	= 'fee')					14. SURFACE OWN	ER PHONE (if box 1	l2 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')					16. SURFACE OWN	R E-MAIL (if box	12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COM MULTIPLE FORMATION YES (Submit Co			9	19. SLANT VERTICAL DIF	ECTIONAL 📵 H	ORIZONTAL 🔵
20. LOCATION OF WELL	FOC	TAGES	QTR-QTR	SECTIO	ON	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1982 FSL	. 1928 FWL	NESW	6		9.0 S	17.0 E	S
Top of Uppermost Producing Zone	1374 FSL	. 1410 FWL	NESW	6		9.0 S	17.0 E	S
At Total Depth	1112 FSL	. 1078 FWL	SWSW	6		9.0 S	17.0 E	S
21. COUNTY DUCHESNE		22. DISTANCE TO NE	EAREST LEASE LIN	IE (Feet)		23. NUMBER OF AC	RES IN DRILLING	UNIT
		25. DISTANCE TO NE (Applied For Drilling		SAME POOL		26. PROPOSED DEF	T H : 6241 TVD: 6241	
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER	WYB000493			29. SOURCE OF DR WATER RIGHTS AP		IF APPLICABLE
3337		AT	TACHMENTS					
VERIFY THE FOLLOWING	ARE ATTACHE	D IN ACCORDANG	CE WITH THE U	TAH OIL A	AND G	GAS CONSERVATI	ON GENERAL RI	JLES
WELL PLAT OR MAP PREPARED BY	LICENSED SURV	EYOR OR ENGINEER	сом	IPLETE DRI	LLING	PLAN		
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGREE	MENT (IF FEE SURF	ACE) FOR	M 5. IF OPE	RATO	R IS OTHER THAN T	HE LEASE OWNER	
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY O	R HORIZONTALLY	г торо	OGRAPHICA	AL MAF	•		
NAME Mandie Crozier		TITLE Regulatory T	ech		PHON	NE 435 646-4825		
SIGNATURE		DATE 11/15/2010			EMAI	L mcrozier@newfield.	com	
API NUMBER ASSIGNED 43013504800000		APPROVAL			B	will		
					Pε	ermit Manager		

API Well No: 43013504800000 Received: 11/15/2010

	Prop	oosed Hole, Casing, a	nd Cement		
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)	
Prod	7.875	5.5	0	6241	
Pipe	Grade	Length	Weight		
	Grade J-55 LT&C	6241	15.5		

API Well No: 43013504800000 Received: 11/15/2010

	Proj	osed Hole, Casing,	and Cement			
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	300		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	300	24.0		П	Γ

NEWFIELD PRODUCTION COMPANY GREATER MONUMENT BUTTE Q-6-9-17 AT SURFACE: NE/SW SECTION 6, T9S, R17E DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS</u>:

Uinta	0' -	1480
Green River		1480'
Wasatch		6090'
Proposed TD		6241'

3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation (Oil) 1480' – 6090'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval Date Sampled Flow Rate Temperature Hardness рН Water Classification (State of Utah) Dissolved Calcium (Ca) (mg/l) Dissolved Iron (Fe) (ug/l) Dissolved Sodium (Na) (mg/l) Dissolved Magnesium (Mg) (mg/l) Dissolved Carbonate (CO₃) (mg/l) Dissolved Bicarbonate (NaHCO₃) (mg/l) Dissolved Chloride (Cl) (mg/l) Dissolved Sulfate (SO₄) (mg/l) Dissolved Total Solids (TDS) (mg/l)

4. PROPOSED CASING PROGRAM

a. Casing Design: Greater Monument Butte Q-6-9-17

0:	a 50 li	nterval	Majaha	Maisht Crada		Design Factors			
Size	Тор	Bottom	Weight	Grade	Coupling	Burst	Collapse	Tension	
Surface casing		0001	24.0	1.55	CTO	2,950	1,370	244,000	
8-5/8"	0,	300'	24.0	J-55	STC	17.53	14.35	33,89	
Prod casing	200	2.244	45.5		1.70	4,810	4,040	217,000	
5-1/2"	0,	0 6,241'	15.5	J-55	LTC	2.42	2,03	2.24	

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Greater Monument Butte Q-6-9-17

Job	Fill	Description	Sacks ft ³	OH Excess*	Weight (ppg)	Yield (ft³/sk)
Curfe on agains	300'	Class G w/ 2% CaCl	138	30%	15.8	1,17
Surface casing	300	Class G W/ 2/0 CaCl	161	3070	10.0	18 17
Prod casing	4.241'	Prem Lite II w/ 10% gel + 3%	293	30%	11.0	3.26
Lead	4,241	KCI	955	3070	11.0	5.20
Prod casing	2.000'	50/50 Poz w/ 2% gel + 3%	363	30%	14.3	1.24
Tail	2,000	KCI	451	3070	14.0	, L

- *Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL</u>:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to Exhibit C for a diagram of BOP equipment that will be used on this well.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to ± 350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will visually monitor pit levels and flow from the well during drilling operations.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

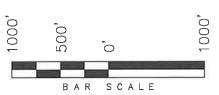
It is anticipated that the drilling operations will commence the first quarter of 2011, and take approximately seven (7) days from spud to rig release.

T9S, R17E, S.L.B.&M. N89*58'E - 78.31 (G.L.O.) N88'56'47"E - 2641.71' (Meas.) N88°57'32"E - 2533.90' (Meas.) Corner 1910 Proportioned 1910 Brass Cap Brass Cap (Not Set) (Meas.) LOT 1 LOT 2 LOT 3 LOT 4 2646.15' WELL LOCATION: VOO:54'34"W 500.33,41 0-6-9-17 (G.L.O.) LOT 5 ELEV. EXIST. GRADED GROUND = 5367' (C.L.O.) 1910 1910 Brass Cap Brass Cap 80.00 DRILLING WINDOW S00'02'W NORTH 1928 LOT 6 Top of Hole 1280 1078 501.02,04 VOO'53'41 Bottom of Hole LOT 7 1910 Pile of 1910 Brass Cap Brass Cap N88°55'38"E - 2643.36' (Meas.) N88°45'54"E - 2522.72' (Meas.) $N89^{\circ}55^{\circ}E - 78.50$ (G.L.O.) = SECTION CORNERS LOCATED Q-6-9-17 BASIS OF ELEV; Elevations are base on (Surface Location) NAD 83 LOCATION: an N.G.S. OPUS Correction. $LATITUDE = 40^{\circ} 03' 29.01''$ LAT. 40°04'09.56" LONG. 110°00'43.28" LONGITUDE = 110° 03' 05.26" (Tristate Aluminum Cap) Elev. 5281.57'

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, Q-6-9-17, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 6, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, Q-6-9-17, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 6, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

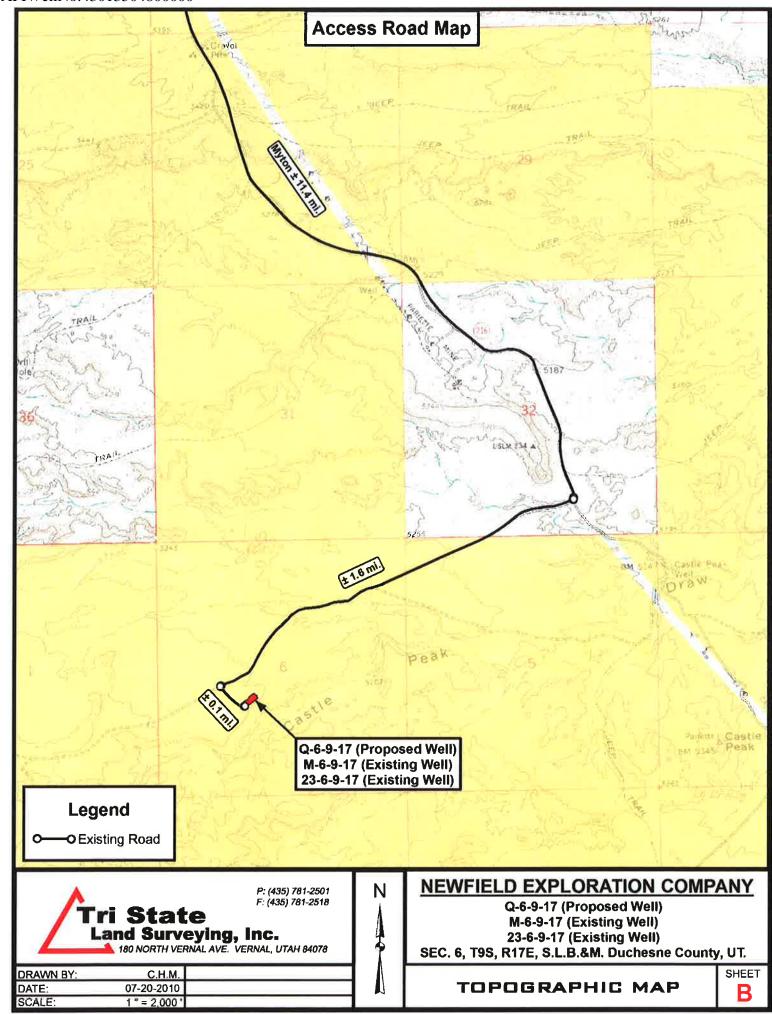
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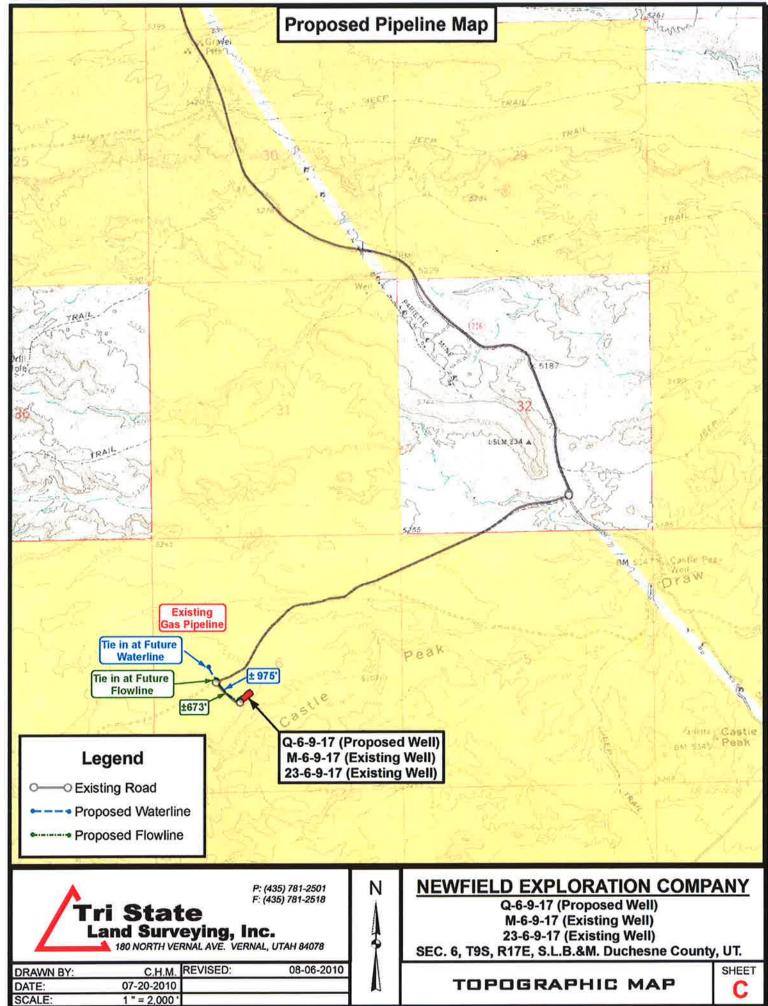


TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

	100
DATE SURVEYED: 07-02-10	SURVEYED BY: D.G.
DATE DRAWN: 07-19-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'





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C.H.M. DRAWN BY: 07-20-2010 DATE: 1 " = 2,000 ' SCALE:



23-6-9-17 (Existing Well) SEC. 6, T9S, R17E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP





NEWFIELD EXPLORATION

USGS Myton SW (UT) SECTION 6 T9S, R17E Q-6-9-17

Wellbore #1

Plan: Design #1

Standard Planning Report

22 September, 2010





PayZone Directional Services, LLC.

Planning Report



Database: Company: Project: Site:

EDM 2003.21 Single User Db NEWFIELD EXPLORATION USGS Myton SW (UT) SECTION 6 T9S, R17E

Well: Q-6-9-17 Wellbore: Wellbore #1 Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Q-6-9-17

Q-6-9-17 @ 5379.0ft (Original Well Elev) Q-6-9-17 @ 5379.0ft (Original Well Elev)

Minimum Curvature

USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA Project

Map System: Geo Datum: Map Zone:

US State Plane 1983 North American Datum 1983

Utah Central Zone

System Datum:

Mean Sea Level

Site SECTION 6 T9S, R17E

Site Position: From:

Lat/Long

Northing:

7,195,000.00ft

Latitude:

Longitude:

40° 3' 47.061 N

Position Uncertainty:

Easting: Slot Radius: 2,047,000.00ft

Grid Convergence:

110° 2' 50.009 W 0.93 °

Well Q-6-9-17, SHL LAT: 40° 03' 29.01, LONG: -110° 03' 05.26

Well Position

+N/-S +E/-W

-1,826.4 ft -1,185.6 ft

0.0 ft

Northing: Easting:

7,193,154.60 ft 2,045,844.09 ft Latitude: Longitude:

40° 3' 29.010 N 110° 3' 5.260 W

Position Uncertainty

0.0 ft

Wellhead Elevation:

5,379.0 ft

Ground Level:

5,367.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/09/22	11.40	65.83	52,352

Design

Design #1

Audit Notes:

Version: Phase: **PROTOTYPE**

Tie On Depth:

0.0

Vertical Section:

Depth From (TVD) (ft) 0.0

+N/-S (ft) 0.0

+E/-W (ft) 0.0

Direction (°) 223.25

easured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,506.6	13.60	223.25	1,498.1	-78.0	-73.4	1.50	1.50	0.00	223.25	
5,006.6	13.60	223.25	4,900.0	-677.4	-637.2	0.00	0.00	0,00	0.00	Q-6-9-17 TGT
6,241.2	13.60	223.25	6,100.0	-888.8	-836.1	0.00	0.00	0.00	0.00	



PayZone Directional Services, LLC.

Planning Report



Database: Company: Project: Site: EDM 2003.21 Single User Db NEWFIELD EXPLORATION USGS Myton SW (UT)

SECTION 6 T9S, R17E Q-6-9-17

 Well:
 Q-6-9-17

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Q-6-9-17

Q-6-9-17 @ 5379.0ft (Original Well Elev) Q-6-9-17 @ 5379.0ft (Original Well Elev)

True

Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0						
600.0	0.00	0.00	600.0	0.0 0.0	0.0	0.0	0.00	0.00	0.00
700.0					0.0	0.0	0.00	0.00	0.00
	1.50	223.25	700.0	-1.0	-0.9	1.3	1.50	1.50	0.00
800.0 900.0	3.00 4.50	223.25 223.25	799.9 899.7	-3.8	-3.6	5.2	1.50	1.50	0.00
	4.50	223.23		-8.6	-8.1	11.8	1.50	1.50	0.00
1,000.0	6.00	223.25	999.3	-15.2	-14.3	20.9	1.50	1.50	0.00
1,100.0	7.50	223.25	1,098.6	-23.8	-22.4	32.7	1.50	1.50	0.00
1,200.0	9.00	223.25	1,197.5	-34.3	-32.2	47.0	1.50	1.50	0.00
1,300.0	10.50	223.25	1,296.1	-46.6	-43.8	64.0	1.50	1.50	0.00
1,400.0	12.00	223.25	1,394.2	-60.8	-57.2	83.5	1.50	1.50	0.00
1,506.6	13.60	223.25	1,498.1	-78.0	-73.4	107.1	1.50	1.50	0.00
1,600.0	13.60	223.25	1,588.9	-94.0	-88.4	129.0	0.00	0.00	0.00
1,700.0	13.60	223.25	1,686.1	-111.1	-104.5	152.6	0.00	0.00	0.00
1,800.0	13.60	223.25	1,783.3	-128.2	-120.6	176.1	0.00	0.00	0.00
1,900.0	13.60	223.25	1,880.5	-145.4	-120.0	199.6	0.00	0.00	0.00
i i									
2,000.0	13.60	223.25	1,977.7	-162.5	-152.9	223.1	0.00	0.00	0.00
2,100.0	13.60	223.25	2,074.9	-179.6	-169.0	246.6	0.00	0.00	0.00
2,200.0	13.60	223.25	2,172.1	-196.7	-185.1	270.1	0.00	0.00	0.00
2,300.0	13.60	223.25	2,269.3	-213.9	-201.2	293.6	0.00	0.00	0.00
2,400.0	13.60	223.25	2,366.5	-231.0	-217.3	317.1	0.00	0.00	0.00
2,500.0	13.60	223.25	2,463.7	-248.1	-233.4	340.6	0.00	0.00	0.00
2,600.0	13.60	223.25	2,560.9	-265.2	-249.5	364.2	0.00	0.00	0.00
2,700.0	13.60	223.25	2,658.1	-282.4	-265.6	387.7	0.00	0.00	0.00
2,800.0	13.60	223.25	2,755.3	-299.5	-281.7	411.2	0.00	0.00	0.00
2,900.0	13.60	223.25	2,852.5	-316.6	-297.8	434.7	0.00	0.00	0.00
3,000.0	13.60	223.25	2,949.6	-333.7	-314.0	458.2	0.00	0.00	0.00
3,100.0	13.60	223.25	3,046.8	-350.9	-330.1	481.7	0.00	0.00	0.00
3,200.0	13.60	223.25	3,144.0	-368.0	-346.2	505.2	0.00	0.00	0.00
3,300.0	13.60	223.25	3,241.2	-385.1	-362.3	528.7	0.00	0.00	0.00
3,400.0	13.60	223.25	3,338.4	-402.2	-378.4	552.3	0.00	0.00	0.00
-									
3,500.0	13.60	223.25	3,435.6	-419.4	-394.5	575.8	0.00	0.00	0.00
3,600.0	13.60	223.25	3,532.8	-436.5	-410.6	599.3	0.00	0.00	0.00
3,700.0	13.60	223.25	3,630.0	-453.6	-426.7	622.8	0.00	0.00	0.00
3,800.0	13.60	223.25	3,727.2	-470.7	-442.8	646.3	0.00	0.00	0.00
3,900.0	13.60	223.25	3,824.4	-487.9	-458.9	669.8	0.00	0.00	0.00
4,000.0	13.60	223.25	3,921.6	-505.0	-475.1	693.3	0.00	0.00	0.00
4,100.0	13.60	223.25	4,018.8	-522.1	-491.2	716.8	0.00	0.00	0.00
4,200.0	13.60	223.25	4,116.0	-539.2	-507.3	740.3	0.00	0.00	0.00
4,300.0	13.60	223.25	4,213.2	-556.4	-523.4	763.9	0.00	0.00	0.00
4,400.0	13.60	223.25	4,310.4	-573.5	-539.5	787.4	0.00	0.00	0.00
4,500.0	13.60	223.25	4,407.6	-590.6	-555.6	810.9	0.00	0.00	0.00
4,600.0	13.60	223.25	4,504.8	-607.7	-555.6 -571.7	834.4	0.00	0.00	0.00
4,700.0	13.60	223.25	4,602.0	-624.9	-571.7 -587.8	857.9	0.00	0.00	0.00
4,800.0	13.60	223.25	4,699.2	-642.0	-603.9	881.4	0.00	0.00	0.00
4,900.0	13.60	223.25	4,796.4	-659.1	-620.0	904.9	0.00	0.00	0.00
•									
5,006.6	13.60	223.25	4,900.0	-677.4	-637.2	930.0	0.00	0.00	0.00
Q-6-9-17 TO									
5,100.0	13.60	223.25	4,990.8	-693.4	-652.3	951.9	0.00	0.00	0.00
5,200.0	13.60	223.25	5,088.0	-710.5	-668.4	975.5	0.00	0.00	0.00



PayZone Directional Services, LLC.

Planning Report



Database: Company: Project: EDM 2003.21 Single User Db NEWFIELD EXPLORATION

USGS Myton SW (UT) SECTION 6 T9S, R17E

Well: Wellbore: Design:

Site:

SECTION 6 T9S, R17E Q-6-9-17 Wellbore #1 Design #1 **Local Co-ordinate Reference:**

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Q-6-9-17

Q-6-9-17 @ 5379.0ft (Original Well Elev) Q-6-9-17 @ 5379.0ft (Original Well Elev)

True

Minimum Curvature

5,300.0 13.60 223.25 5,185.2 -727.6 -684.5 999.0 0.00 0.00 5,400.0 13.60 223.25 5,282.4 -744.7 -700.6 1,022.5 0.00 0.00 5,500.0 13.60 223.25 5,379.6 -761.9 -716.7 1,046.0 0.00 0.00 5,600.0 13.60 223.25 5,476.8 -779.0 -732.8 1,069.5 0.00 0.00 5,700.0 13.60 223.25 5,574.0 -796.1 -748.9 1,093.0 0.00 0.00 5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00 5,900.0 13.60 223.25 5,768.4 -830.4 -781.1 1,140.0 0.00 0.00	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,500.0 13.60 223.25 5,379.6 -761.9 -716.7 1,046.0 0.00 0.00 5,600.0 13.60 223.25 5,476.8 -779.0 -732.8 1,069.5 0.00 0.00 5,700.0 13.60 223.25 5,574.0 -796.1 -748.9 1,093.0 0.00 0.00 5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00	5,300.0	13.60	223.25	5,185.2	-727.6	-684.5	999.0	0.00	0.00	0.00
5,600.0 13.60 223.25 5,476.8 -779.0 -732.8 1,069.5 0.00 0.00 5,700.0 13.60 223.25 5,574.0 -796.1 -748.9 1,093.0 0.00 0.00 5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00	5,400.0	13.60	223.25	5,282.4	-744.7	-700.6	1,022.5	0.00	0.00	0.00
5,700.0 13.60 223.25 5,574.0 -796.1 -748.9 1,093.0 0.00 0.00 5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00	5,500.0	13.60	223.25	5,379.6	-761.9	-716.7	1,046.0	0.00	0.00	0.00
5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00	5,600.0	13.60	223.25	5,476.8	-779.0	-732.8	1,069.5	0.00	0.00	0.00
5,800.0 13.60 223.25 5,671.2 -813.2 -765.0 1,116.5 0.00 0.00	5,700.0	13.60	223,25	5,574.0	-796.1	-748.9	1,093.0	0.00	0.00	0.00
	5,800.0	13.60	223.25	5,671.2	-813.2	-765.0		0.00	0.00	0.00
		13.60	223.25	•	-830.4		•			0.00
6,000.0 13.60 223.25 5,865.6 -847.5 -797.2 1,163.6 0.00 0.00	6,000.0	13.60	223.25	5,865.6	-847.5	-797.2	1,163.6	0.00	0.00	0.00
6,100.0 13.60 223.25 5,962.7 -864.6 -813.4 1,187.1 0.00 0.00	6,100.0	13.60	223,25	5,962.7	-864.6	-813.4	1,187.1	0.00	0.00	0.00
12 60 222 25 6 050 0 001 7 020 5 1240 6 0 00 0 00		13.60 13.60	223,25 223,25	6,059.9 6,100.0	-881.7 -888.8	-829.5 -836.1	1,210.6 1,220.3	0.00 0.00	0.00	0.00

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Q-6-9-17 TGT - plan hits target - Circle (radius 75	0.00	0.00	4,900.0	-677.4	-637.2	7,192,466.99	2,045,217.93	40° 3' 22.315 N	110° 3' 13.455 W



Project: USGS Myton SW (UT) Site: SECTION 6 T9S, R17E

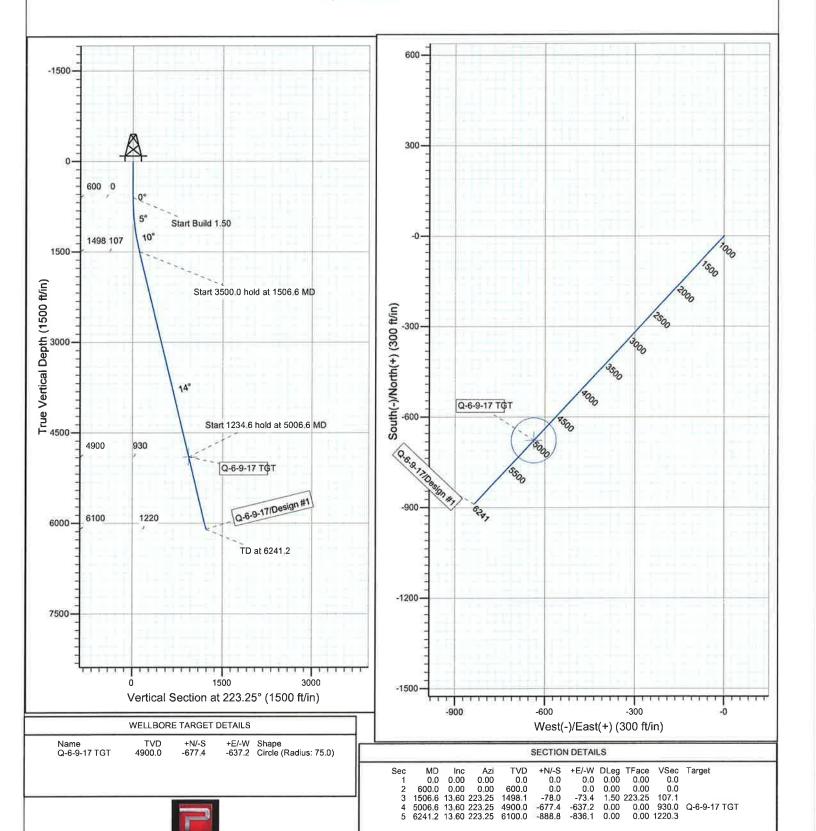
Well: Q-6-9-17 Wellbore: Wellbore #1 Design: Design #1



Azimuths to True North Magnetic North: 11.40°

Magnetic Field Strength: 52352.2snT Dip Angle: 65.83° Date: 2010/09/22 Model: IGRF2010

KOP @ 600' DOGLEG RATE 1.5 DEG/100 TARGET RADIUS IS 75'



NEWFIELD PRODUCTION COMPANY GREATER MONUMENT BUTTE Q-6-9-17 AT SURFACE: NE/SW SECTION 6, T9S, R17E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Monument Butte Q-6-9-17 located in the NE 1/4 SW 1/4 Section 6, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40-1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly -10.0 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly -1.6 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly -0.1 miles \pm to it's junction with the beginning of the access road to the existing 23-6-9-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 23-6-9-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District Water Right: 43-10136

Maurice Harvey Pond Water Right: 47-1358

Neil Moon Pond

Water Right: 43-11787

Newfield Collector Well

Water Right: 41-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. <u>METHODS FOR HANDLING WASTE DISPOSAL</u>

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. <u>SURFACE OWNERSHIP</u> – Bureau of Land Management.

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey will be forthcoming. The Paleontological Resource Survey for this area is attached. Paleontological Resource Survey prepared by, Wade E. Miller, 9/17/10. See attached report cover page, Exhibit "D".

Newfield Production Company requests 975' of buried water line to be granted in Lease UTU-20252A.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

Surface Flow Line

Newfield requests 673' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

<u>Clearing and Grading</u>: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

<u>Installation</u>: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

<u>Termination and Final Reclamation:</u> After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection

The proposed Greater Monument Butte Q-6-9-17 was on-sited on 10/6/10. The following were present; Tim Eaton (Newfield Production), Christine Cimiluca (Bureau of Land Management), and Janna Simonsen (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte Q-6-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte Q-6-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

Representative

Name:

Tim Eaton

Address:

Newfield Production Company

Route 3, Box 3630 Myton, UT 84052

Telephone:

(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-6-9-17, Section 6, Township 9S, Range 17E: Lease UTU-20252A Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and

'APIWellNo:43013504800000'

1.1	This statement is subject to the provisions of the 18 U.S.C. 1001 for				
the filing of a false statement.					
11/16/10	A handi Croin				
Date	Mandie Crozier				
	Regulatory Specialist				
	Newfield Production Company				

2-M SYSTEM

Blowout Prevention Equipment Systems

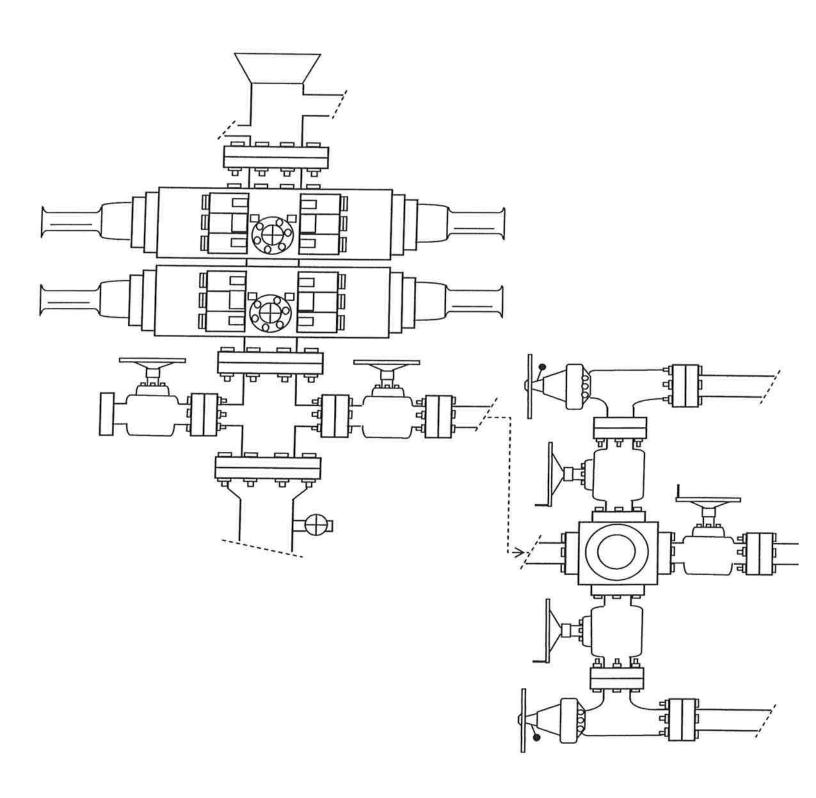


EXHIBIT C



November 16, 2010

State of Utah, Division of Oil, Gas and Mining ATTN: Diana Mason P.O. Box 145801 Salt Lake City, UT 84114-5801

RE:

Directional Drilling

Greater Monument Butte Q-6-9-17Greater Monument Butte (Green River) Unit

Surface Hole:

T9S-R17E Section 6: NESW (UTU-020252A)

1982' FSL 1928' FWL

Bottom Hole:

T9S-R17E Section 6: SWSW (UTU-020252A)

1112' FSL 1078' FWL

Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 11/15/10, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield Certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing preexiting roads and pipelines.

Should you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com.

Sincerely,

Newfield Production Company

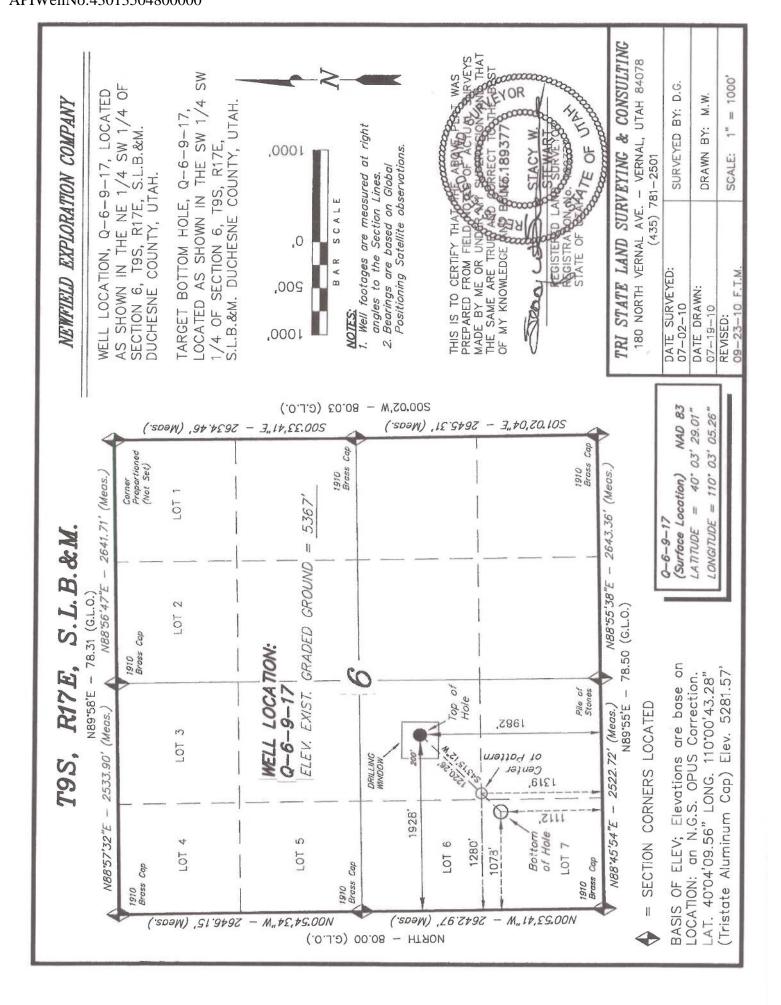
Shane Gillespie Land Associate

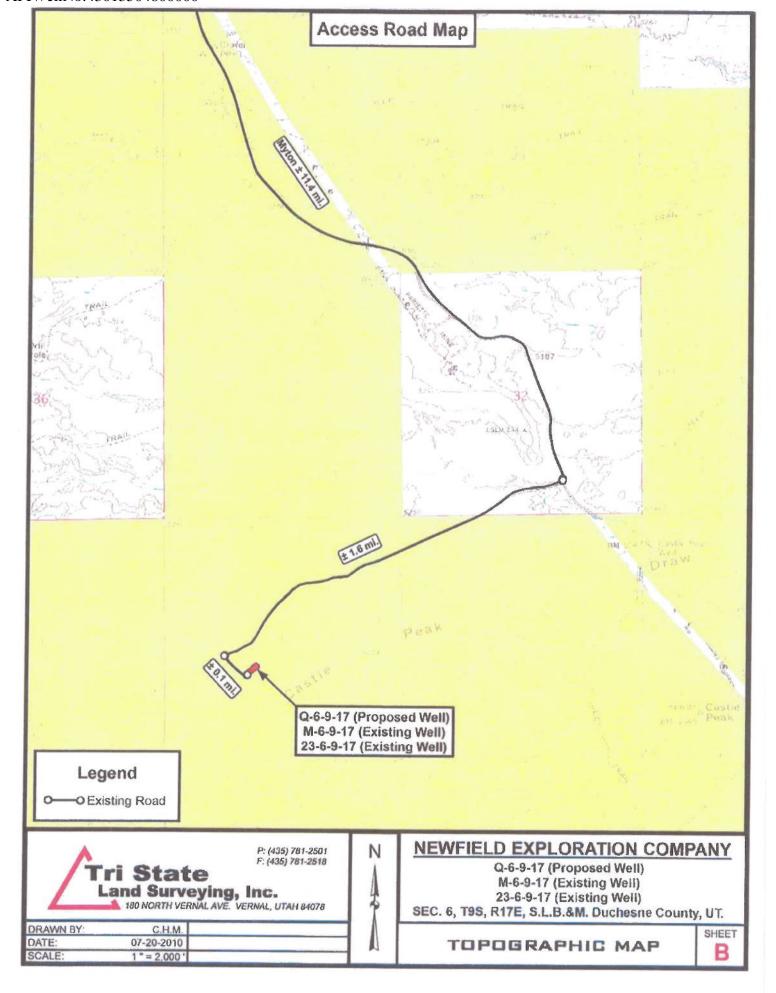
Form 3160-3 FORM APPROVED (August 2007) OMB No. 1004-0137 Expires July 31, 2010 UNITED STATES Lease Serial No. DEPARTMENT OF THE INTERIOR UTU-20252A BUREAU OF LAND MANAGEMENT If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER NA 7 If Unit or CA Agreement, Name and No. **V** DRILL REENTER la. Type of work: Greater Monument Butte 8. Lease Name and Well No. lb. Type of Well; Oil Well Gas Well ✓ Single Zone Multiple Zone Greater Monument Butte Q-6-9-17 Name of Operator 9. API Well No. Newfield Production Company 3b. Phone No. (include area code) 3a. Address 10. Field and Pool, or Exploratory Route #3 Box 3630, Myton UT 84052 (435) 646-3721 Monument Butte 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area Sec. 6, T9S R17E (UTU-20252A) NE/SW 1982' FSL 1928' FWL At surface Sec. 6, T9S R17E At proposed prod. zone SW/SW 1112' FSL 1078' FWL Sec. 6, T9S R17E (UTU-20252A) 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* Approximately 13.1 miles south of Myton, UT Duchesne UT Distance from proposed* 17 Spacing Unit dedicated to this well 16 No. of acres in lease location to neares property or lease line, ft. Approx. 1078' f/lse, NA' f/unit (Also to nearest drig. unit line, if any) 320.13 20 Acres 18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20. BLM/BIA Bond No. on file 19 Proposed Depth WYB000493 Approx. 1458' 6.241 Elevations (Show whether DF, KDB, RT, GL, etc.) Approximate date work will start 23. Estimated duration 5367' GL (7) days from SPUD to rig release 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form: 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. 3 A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification SUPO must be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the Date Name (Printed/Typed) Signature Mandie Crozier Title Regulatory Specialist Approved by (Signature) Name (Printed Typed) Date Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

November 17, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 Plan of Development Greater Monument

Butte Unit, Duchesne and Uintah Counties,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API# WELL NAME LOCATION

(Proposed PZ GREEN RIVER)

43-013-50480 GMBU Q-6-9-17 Sec 06 T09S R17E 1982 FSL 1928 FWL BHL Sec 06 T09S R17E 1112 FSL 1078 FWL

43-013-50481 GMBU H-7-9-17 Sec 07 T09S R17E 0853 FNL 1781 FEL BHL Sec 07 T09S R17E 1716 FNL 2528 FEL

43-013-50482 GMBU I-7-9-17 Sec 07 T09S R17E 0874 FNL 1779 FEL

BHL Sec 07 T09S R17E 1736 FNL 1173 FEL

43-013-50483 GMBU L-7-9-17 Sec 07 T09S R17E 2069 FNL 0809 FEL BHL Sec 07 T09S R17E 2203 FSL 1456 FEL

43-013-50484 GMBU M-7-9-17 Sec 07 T09S R17E 1737 FSL 2168 FWL

BHL Sec 07 T09S R17E 2325 FNL 2582 FEL

43-013-50485 GMBU R-7-9-17 Sec 07 T09S R17E 1717 FSL 2160 FWL

BHL Sec 07 T09S R17E 1089 FSL 2313 FEL

43-013-50486 GMBU 0-8-9-17 Sec 07 T09S R17E 2090 FNL 0808 FEL BHL Sec 08 T09S R17E 2109 FSL 0098 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

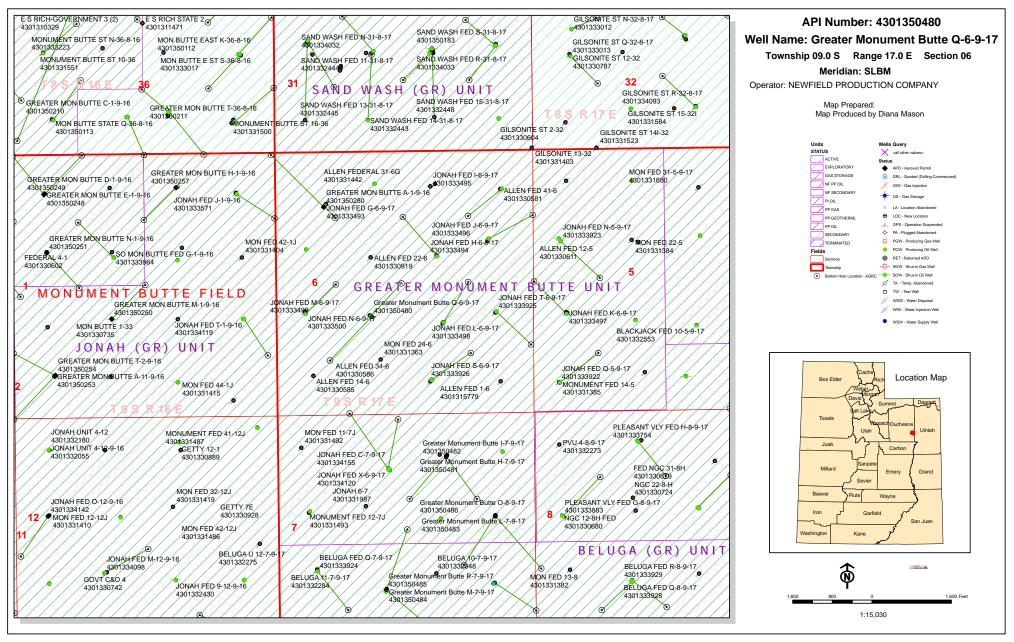
Dignally signed by Michael L. Coolbard

Disc co-Michael C. Coolbard - effective of Land Management, cor-Board of Minerals, emal-dischael, Coolbard-point, proc. |

bcc: File - Greater Monument Butte Unit Division of Oil Gas and Mining Central Files

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:11-17-10

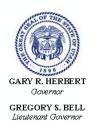


WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/15/2010 **API NO. ASSIGNED:** 43013504800000 WELL NAME: Greater Monument Butte Q-6-9-17 **OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825 **CONTACT:** Mandie Crozier PROPOSED LOCATION: NESW 06 090S 170E **Permit Tech Review: SURFACE:** 1982 FSL 1928 FWL **Engineering Review: BOTTOM:** 1112 FSL 1078 FWL Geology Review: **COUNTY: DUCHESNE LATITUDE:** 40.05802 **LONGITUDE:** -110.05076 **UTM SURF EASTINGS: 580961.00 NORTHINGS:** 4434418.00 FIELD NAME: MONUMENT BUTTE LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-20252A PROPOSED PRODUCING FORMATION(S): GREEN RIVER SURFACE OWNER: 1 - Federal **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** ✓ PLAT R649-2-3. Unit: GMBU (GRRV) Bond: FEDERAL - WYB000493 **Potash** R649-3-2. General Oil Shale 190-5 **Oil Shale 190-3** R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 213-11 Water Permit: 437478 **Effective Date:** 11/30/2009 **RDCC Review:** Siting: Suspends General Siting **Fee Surface Agreement Intent to Commingle** ■ R649-3-11. Directional Drill **Commingling Approved Comments:** Presite Completed

Stipulations: 4 - Federal Approval - dmason

15 - Directional - dmason 27 - Other - bhill API Well No: 43013504800000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Greater Monument Butte Q-6-9-17

API Well Number: 43013504800000 Lease Number: UTU-20252A Surface Owner: FEDERAL Approval Date: 11/18/2010

Issued to:

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

API Well No: 43013504800000

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

	FORM 9					
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-20252A					
SUNDF	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)					
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GREATER MON BUTTE Q-6-9-17					
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM		9. API NUMBER: 43013504800000				
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84	UMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1982 FSL 1928 FWL		COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 06		STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION					
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	by UTU-020252A. A L Oil	CHANGE WELL NAME CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Lease Number correctic Coccepted by the Utah Division of Gas and Mining COUNTY			
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech				
SIGNATURE N/A		DATE 1/4/2011				

RECEIVED

Form 3160-3 (August 2007)

NOV 1 8 2010

UNITED STATES

FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010

DEPARTMENT OF THE IN BUREAU OF LAND MANA	UTU-02	UTU-020252A			
APPLICATION FOR PERMIT TO D		If Indian, Allotee or Tribe Name NA			
la. Type of work: ✓ DRILL REENTER		CA Agreement, Name and No. Monument Butte			
lb. Type of Well: Oil Well Gas Well Other	1	me and Well No. Monument Butte Q-6-9-17			
Name of Operator Newfield Production Company		9. API Well 43 (
3a. Address Route #3 Box 3630, Myton UT 84052		Pool, or Exploratory ent Butte			
4. Location of Well (Report location clearly and in accordance with any S	State requirements.*)	11. Sec., T. R.	M. or Blk. and Survey or Area		
At surface NE/SW 1982' FSL 1928' FWL Sec. 6,	T9S R17E (UTU-020252A)	Sec. 6,	T9S R17E		
At proposed prod. zone SW/SW(Lot #7)1112' FSL 1078' FWL	Sec. 6. T9S R17E (UTU-020)252A)			
14. Distance in miles and direction from nearest town or post office*		12, County or	Parish 13. State		
Approximately 13.1 miles south of Myton, UT		Duches	ne UT		
loostion to pegreet	ed* 16. No. of acres in lease 17. Spaci				
property or lease line, ft. Approx. 1078' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	320.13	20 Acres			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1458'	19. Proposed Depth 6,241'	20. BLM/BIA Bond No. o WYB000493			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will star	t* 23. Estimate	d duration		
5367' GL	12 pyty 30	(7) days fro	om SPUD to rig release		
	24. Attachments				
The following, completed in accordance with the requirements of Onshore	Oil and Gas Order No.1, must be at	tached to this form:			
Well plat certified by a registered surveyor. A Drilling Plan.	4. Bond to cover the litem 20 above).	ne operations unless cover	ed by an existing bond on file (see		
3. A Surface Use Plan (if the location is on National Forest System La	ands, the 5. Operator certific	ation			
SUPO must be filed with the appropriate Forest Service Office).		specific information and/or	r plans as may be required by the		
25_Signature	Name (Printed/Typed) Mandie Crozier		Date 11/15/10		
itle Carlos Regulatory Specialist					
Approved by (Signature)	Name (Printel Emply K	enczka	Date OCT 0 6 20		
Hel Berester					

Application approval does not warrant or certify that the applicant holds legal or equitable title to those conduct operations thereon. Conditions of approval, if any, are atta

Title I8 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

Title

NOTICE OF APPROVAL

*(Instructions on page 2)

VERNAL FIELD OFFICE

Assistant Field Manager

Lands & Mineral Resources

RECEIVED OCT 2 1 2011

JAN 0 6 2011

DIV. OF OIL, GAS & MINING LM VERNAL, UTAH



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**

VERNAL, UT 84078

(435) 781-440



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	NESW, Sec. 6, T9S, R17E (S)
			Lot 7, Sec. 6, T9S, R17E (B)
Well No:	Greater Monument Butte Q-6-9-17	Lease No:	UTU-020252A
API No:	43-013-50480	Agreement:	Greater Monument Butte Unit

OFFICE NUMBER:

170 South 500 East

(435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <u>ut_vn_opreport@blm.gov</u> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: GMB Q-6-9-17 9/12/2011

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

CONDITIONS OF APPROVAL:

- If drilling, or completion activities are proposed between January 1 and August 31, a BLM biologist or a BLM-approved contractor would conduct three raptor nest surveys will be conducted during March-June, spaced three weeks apart within 0.5 miles from the respective host location well pad and liquid gathering line corridor. If occupied/ active raptor nests are found, construction will not occur during the nesting season for that species within the specified buffer.
 - The Lessee/Operator has been given notice that the area has been identified as containing mountain plover habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect mountain plover nests/habitat from surface disturbing activities in accordance with Section 6 of the lease terms, ESA and 43 CFR3101.1-2. Mountain plover surveys will be conducted to protocol by a professional Environmental Consulting Firm biologist prior to any ground disturbing activities. Reports from survey results must be reviewed by a BLM minerals biologist prior to proceeding with the proposed project. A seasonal restriction for all ground disturbing activities in mountain plover habitat from May 1-June 15 is required.
- White-tailed prairie dog burrows and animals sighted will be recorded/mapped while conducting burrowing owl surveys. These shall be conducted according to protocol.
- Hospital mufflers will be installed on new and existing pump jacks at the host well locations.
- After cessation of drilling and completion operations, any visible or measurable layer of oil must be removed from the surface of the reserve pit and the pit kept free of oil.

Page 3 of 7 Well: GMB Q-6-9-17 9/12/2011

• Pits must be free of oil and other liquid and solid wastes prior to filling. Pit liners must not be breached (cut) or filled (squeezed) while still containing fluids. The pit liner must be removed to the solids level or treated to prevent its reemergence to the surface or its interference with long-term successful re-vegetation.

Reclamation

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.
- The reclamation seed mix will incorporate low growing grasses, instead of crested wheatgrass, which negatively impacts mountain plover habitat.
- Appropriate erosion control and re-vegetation measures will be employed. In areas with unstable soils where seeding alone may not adequately control erosion, grading will be used to minimize slopes and water bars will be installed on disturbed slopes. Erosion control efforts will be monitored by Newfield and, if necessary, modifications will be made to control erosion.

Seed Mix (Interim and Final Reclamation)

Common Name	Latin Name	Pure Live Seed (lbs/acre)	Seed Planting Depth	
Squirreltail grass	Elymus elymoides	2.0	1/4 - 1/2"	
Needle and thread grass	Hesperostipa comata	2.0	1/2"	
Siberian Wheatgrass	Agropyron fragile	2.0	1/2"	
Shadscale saltbush	Atriplex confertifolia	2.0	1/2"	
Four-wing saltbush	Atriplex canescens	2.0	1/2"	
Gardner's saltbush	Atriplex gardneri	2.0	1/2**	
Blue flax (Lewis flax)	Linum lewisii	1.0	$\frac{1}{8} - \frac{1}{4}$ "	

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

Monitoring and Reporting

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) three (3) growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

Page 4 of 7 Well: GMB Q-6-9-17 9/12/2011

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

• The operator shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008). The operator shall also comply with applicable laws and regulations; with the lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.

Page 5 of 7 Well: GMB Q-6-9-17 9/12/2011

• The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: GMB Q-6-9-17 9/12/2011

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - o Well name and number.
 - o Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

Page 7 of 7 Well: GMB Q-6-9-17 9/12/2011

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior approval of
 the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
 approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
 of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 20231 API Well Number: 43013504800000

	STATE OF UTAH				FORM 9	
	DEPARTMENT OF NATURAL RESOURD DIVISION OF OIL, GAS, AND MI		3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A		
SUNDF	RY NOTICES AND REPORTS	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.			or CA AGREEMENT NAME: (GRRV)			
1. TYPE OF WELL Oil Well			L NAME and NUMBER: ER MON BUTTE Q-6-9-17			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM	PANY				NUMBER: 504800000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84			JMBER:		D and POOL or WILDCAT: MENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1982 FSL 1928 FWL				COUNT		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 06	P, RANGE, MERIDIAN: Township: 09.0S Range: 17.0E Meridian	: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT	, OR OTI	HER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
	☐ ACIDIZE		ALTER CASING		CASING REPAIR	
NOTICE OF INTENT Approximate date work will start: 11/18/2011	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME	
	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK	
_	☐ PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON	
	☐ TUBING REPAIR		/ENT OR FLARE		WATER DISPOSAL	
☐ DRILLING REPORT	☐ WATER SHUTOFF		51 TA STATUS EXTENSION	1	APD EXTENSION	
Report Date:	☐ WILDCAT WELL DETERMINATION		OTHER	отн	FR:	
					Į,—	
	MPLETED OPERATIONS. Clearly show all position for the Application			volumes,	etc.	
					pproved by the	
					Jtah Division of	
				Oil	, Gas and Mining	
			r	ate:	11/23/2011	
			_	P_	00 1100	
			E	3y: 🕭		
					30	
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBEI 435 646-4825	R	TITLE Regulatory Tech			
SIGNATURE N/A			DATE 11/9/2011			

Sundry Number: 20231 API Well Number: 43013504800000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013504800000

API: 43013504800000

Well Name: GREATER MON BUTTE Q-6-9-17

Location: 1982 FSL 1928 FWL QTR NESW SEC 06 TWNP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 11/18/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

 If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? 🔘 Yes 🌘 No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? No No

Signature: Mandie Crozier **Date:** 11/9/2011

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By Branden Arnold Phone Number 435-401-0223 Well Name/Number GMB Q-6-9-17 Qtr/Qtr NE/SW Section 6 Township 9S Range 17E Lease Serial Number UTU-020252A API Number 43-013-50480
<u>Spud Notice</u> – Spud is the initial spudding of the well, not drilling out below a casing string.
Date/Time <u>12/12/11</u> <u>9:00</u> AM ⊠ PM □
Casing — Please report time casing run starts, not cementing times. Surface Casing Intermediate Casing Production Casing Liner Other
Date/Time $\underline{12/12/11}$ $\underline{3:00}$ AM \square PM \boxtimes
BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other Date/Time AM PM
Remarks

ADDRESS: RT. 3 BOX 3630

OPERATOR: NEWFIELD PRODUCTION COMPANY

OPERATOR ACCT. NO.

N2695

MYTON, UT 84052

CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME		WELL LOCATION SC IP RG COUNTY				SPUD	EFFECTIVE
				GREATER MON BUTTE		36	15	RG	COUNTY	DATE	DATE
В	99999	17400	4301350480	Q-6-9-17	NESW	6	98	17E	DUCHESNE	12/12/2011	12/16/11
WELL 1 C	COMMENTS:	,									7 7 7
	GRRI			BHL=SWS1	ω						
ACTION	CURRENT				,						
CODE	ENTITY NO.	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	LL LOCAT	ION RG	COUNTY	SPUD DATE	EFFECTIVE DATE
		V									DATE.
В	99999	17400	4301350725	GMBU H-7-9-16	SWNE	7	95	16E	DUCHESNE	12/1/2011	12/16/11
	7 1 0 1								4	/ :	107 7
(<	TRIPU			BHL=NWNE				·	plugae	d 12/1/	//
4071011	ン	,							1 00	. , , ,	//
ACTION B	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	_00	SC	LL LOCAT	ION RG	COUNTY	SPUD DATE	EFFECTIVE
					SWNE						, ,
В	99999	17400	4301351110	GMBU H-7A-9-16 (RIG SKID)	HWHE	7	98	16E	DUCHESNE	12/1/2011	12/16/11
	001/						-				112/11
(-	SRRV			BHL= NWNE							
ACTION	CURRENT	NEW	101111111								
CODE	ENTITY NO	ENTITY NO.	API NUMBER	WELL NAME	00	SC	LL LOCAT	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
_		v				12		15E			1 1
В	99999	17400	4301350727	GMBU P-7-9-16	NESE	1	98	18E	DUCHESNE	12/9/2011	12/16/11
	Carril			BAL = RIGE So	c 7	51	USI	1.1			' '/ /
ACTION	CURRENT	NEW	API NUMBER	WELL NAME	c_{I}						
CODE	ENTITY NO.	ENTITY NO.	ACTINOMISER	WELL NAME	QQ	SC	LL LOCAT	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
		√				7					, ,
В	99999	17400	4301350729	GMBU X-6-9-16	NENW	8	95	16E	DUCHESNE	12/3/2011	13/16/11
	0 00./			1			4				110/14/
(ARRI/			BHL= Sec.	6 51	<u>_</u>	de	}		The second secon	
	· · ·				¥ 00						
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	- Ga	SC	LL LOCAT	ION RG	COUNTY	SPUD DATE	EFFECTIVE DATE
		/						<u> </u>		writ L	Jane 1 Grand
В	99999	17400	4301350733	GMBU S-6-9-16	SWSE	6	95	16F	DUCHESNE	12/7/2011	12/11/11
		1									10/14/11
,	GRRV BHL=NESE										
L'				7,400					ſ	n	
	CODES (See instructions on ba new entity for new well (single								100	0/ /	
^*	oned to you wan familia	tron only)		RECEIVE	1 3				-1111	1 //	

B - / well to existing entity (group or unit well)

C - from one existing entity to another existing entity

D - well from one existing entity to a new entity

E - ther (explain in comments section)

UCCEIAED

DEC 1 4 2011

DIV. OF OIL, GAS & MINING

Jentri Park

Production Clerk 12/14/11

NOTE: Use COMMENT section to explain why each Action Code was selected

FORM 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

SUNDRY	NOTICE	S AND	REF	PORTS	ON	WELLS

	Y NOTICES AND REP		USA UTU-020252-A			
Do not use abandoned v	this form for proposals vell. Use Form 3160-3 (<i>/</i>	s. [6. If Indian, Allottee or Tribe Name. 7. If Unit or CA/Agreement, Name and/or GMBU			
SUBMIT I	N TRIPLICATE - Other	•				
Type of Well			GMBO			
	Other			8. Well Name and		
Name of Operator	OMBANIV		GRTR MON BU	11E Q-6-9-17		
NEWFIELD PRODUCTION C a. Address Route 3 Box 3630	OMPANY	code)	9. API Well No. 4301350480			
Myton, UT 84052		3b. Phone <i>(include ar.</i> 435.646.3721			, or Exploratory Area	
	Sec., T., R., M., or Survey Desc			GREATER MB		
	•	•	. [11. County or Par	sh, State	
Section 6 T9S R17E				DUQUEENE I	T	
				DUCHESNE, U		
· · · · · · · · · · · · · · · · · · ·	K APPROPRIATE BOX			TICE, OR OT	HER DATA	
TYPE OF SUBMISSION		TYP	E OF ACTION			
The second second	☐ Acidize	Deepen	Production	(Start/Resume)	☐ Water Shut-Off	
Notice of Intent	Alter Casing	Fracture Treat	Reclamation	n	■ Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recomplete	;	☑ Other	
<u>.</u>	Change Plans	Plug & Abandon	Temporaril	y Abandon	Spud Notice	
Final Abandonment	Convert to Injector	Plug Back	Water Disp	osal		
1.17ft3/sk yield. Returne	V11 cement with 160 sks ed 5 barrels cement to pit	WOC.				
ereby certify that the foregoing rect (Printed/ Typed) Branden Arnold gnature	is true and	Title Date 12/28/2011				
$\mathcal{D} \mathcal{A}$	THIS SPACE I	FOR FEDERAL OR ST	ATE OFFICE	USE		
	IIIISTACE	OR I EDERAL OR ST	OITIOU			
		I I		1		

certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

Office

(Instructions on page 2)

Conditions of approval, if any, are attached. Approval of this notice does not warrant or



NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

			8 5/8"	CASING SET AT	<u> </u>	305.3	p··		
LAST CASING	14	SET AT	8		WELL	GMBU Q	-6-9-17	Exploration	Company
DATUM TO CUT		NG	13		FIELD/PRO	SPECT _	Monumen	t Butte	
DATUM TO BRA		CONTRAC	TOR & RIG	;# <u> </u>	Ross # 29				
TD DRILLER	305	LOGG	ER						
HOLE SIZE									
							<u> </u>		
LOG OF CASING	STRING:						T		LENOTH
PIECES	OD	ITEM - MA	AKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
1		wellhead						A	1.42
7	8 5/8"	casing (sho	e jt 40.72)		24	J-55	STC	<u> </u>	291.98
1	8 5/8"	Guide Shoe	9					Α	0.9
					ļ.,				ļ
							ļ		
							<u> </u>		
CASING INVEN	TORY BAL.		FEET	JTS	TOTAL LE	NGTH OF	STRING		294.3
TOTAL LENGTH			294.3	7	LESS CUT				2
LESS NON CSG			2.32				CUT OFF CS	iG	305.30
PLUS FULL JTS		ľ	0		CASING S	ET DEPTH	ł		305.30
	TOTAL		291.98	7	٦ .				
TOTAL CSG. DE		IRDS)] } COMP/	ARE			
-									
BEGIN RUN CS		Spud	9:00 AM	12/27/2011			IOB		
CSG. IN HOLE			2:00 AM	12/27/2011	_		SURFACE		
BEGIN CIRC			8:23 AM	12/28/2011	RECIPRO	CATED PI	No No		
BEGIN PUMP C	MT	,	8:38 AM	12/28/2011					
BEGIN DSPL. C			8:49 AM	12/28/2011	BUMPED	PLUG TO	176		

12/28/2011

9:02 AM

PLUG DOWN

STAGE # SX CEMENT TYPE & ADDITIVES 1 160 Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 5bbls to pit	CEMENT USED		CEMENT COMPANY- Baker Hughes						
1 160 Class 'G'+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 5bbls to pit Class 'G'+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 5bbls to pit	STAGE	# SX	CEMENT TYPE & ADDITIVES						
OLIVITALIZLIA GOTOTIONIZIA DI COLIVITA	1		Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 5bbls to pit						
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Middle of first, top of second and third for a total of three.									
	Middle of first,	top of seco	ond and third for a total of three.						

COMPANY REPRESENTATIVE Mike Braithwaite DATE 12/28/2011

Sundry Number: 23442 API Well Number: 43013504800000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A
SUNDR	RY NOTICES AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GREATER MON BUTTE Q-6-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013504800000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1982 FSL 1928 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: (HIP, RANGE, MERIDIAN: 06 Township: 09.0S Range: 17.0E Meridia	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE [ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN [FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
2/17/2012			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show all vas placed on production on hours.		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 02, 2012
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBE 435 646-4885	R TITLE Production Technician	
SIGNATURE		DATE 3/1/2012	
N/A		3/1/2012	

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

TIELE COM LETTOR ON NECOTIN LETTOR NEI CITY MILE ECC												ease Ser J-0202				
la. Type of b. Type of c			oil Well lew Well	☐ Ga	as Well ork Over	Dry Deepen	Other Plug	r Back Diff	. Resvr.	,			6. If NA	Indian,	Allottee or T	
			ther:					-					GMI	BU		t Name and No.
2. Name of NEWFIELI	Operator D'EXPLOI	RATIO	N COMP	ANY										ease Nai 3U Q-6	ne and Well i-9-17	No.
3. Address	1401 17TH S	ST. SUITI	E 1000 DEN	VER, CO	0 80202			3a. Phone 1 (435) 646		lude are	a code)		FI Well 013-504		
						ance with Feder	al requ						10. 1	Field an	d Pool or Ex	ploratory
At surfac	e 1082' F	SI & 10	028, E/V/I	/NE/S	SW) SEC	. 6, T9S, R17I	= /LITI	I I_020252A\					11 9	Sec T	NT BUTTE R., M., on B	lock and
	1002 1	JL Q 1.	020 I WL	. (14270	, OLO	. 0, 130, 1111	_ (01	0-02023271)						Survey o	r Área SEC.	6, T9S, R17E
At top pro	d. interval i	eported	below 13	57' FS	SL & 1350	0' FWL (NE/S	N) Se	c. 6, T9S, R1	7E (UT	U-020	252A)				or Parish	13. State
At total de	enth 1102	FSL 8	k 1085' F\	NL (S)	W/SW) S	ec. 6, T9S, R	17E (L	JTU-020252A	BH	16	1 <i>H</i>	ΛWZ	טס	CHESN	IE	UΤ
14. Date Sp 12/27/201	udded		15. 1		D. Reached			16. Date Com	oleted (012				ns (DF, RK)	B, RT, GL)*
18. Total D		624		23/201		ig Back T.D.:	MD 6	D&A 6168'_	√ 1			idge Plu		MD	5377' KB	
21. Type E	TV.	D 610: ner Mech	3' nanical Log	s Run (Submit cor	ov of each)	TVD(031		22. W	as well	cored?	Z I N	TVD	Yes (Submit	analysis)
DUAL INC	GRD/SF	, COM	IP. DENS	ITY,C	OMP. NE	UTROM, GR,	CALIF	PER, CMT BO	ND	N N	as DS		v? □ N	ſо <u>П</u>	Yes (Submit	report)
23. Casing	and Liner F	Record	(Report all	strings	set in wel	I)								·	Tes (Suomin	соруу
Hole Size	Size/Gr	ade	Wt. (#/ft.)	To	p (MD)	Bottom (MD) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Stage Cementer Depth		of Sks. of Cen			y Vol. BL)	Cem	ent Top*	Amount Pulled
12-1/4"	8-5/8" J		24#	0		305'		•		CLASS						
7-7/8"	5-1/2" J	-55 1	15.5#	0		6217'				PRIMLI 50/50 P				28'		
									700 0	0,001						
									-							
24. Tubing	Pagard															
Size	Depth	Set (MI	<u> </u>	er Depth	ı (MD)	Size	D	epth Set (MD)	Packer	Depth (MD)	Si	ze	Dept	h Set (MD)	Packer Depth (MD)
2-7/8" 25. Produci		0 6087	' TA @	5989'			26.	Perforation	Record							
	Formatio			To	р	Bottom	20.	Perforated Ir				Size		Holes		Perf. Status
A) Green B)	River		4	537'		6010'	45	37-6010'			.34"		69	···		
C)							-									
D)																
27. Acid, F	racture, Tre Depth Inter		Cement So	jueeze,	etc.				Amount	and Ty	ne of N	Material				
4537-601	_	vai	Fi	ac w/	193171#	s 20/40 white	sand						ages.			
28. Product		,												<u> </u>		
Date First Produced	Test Date	Hours Tested	Test Produ		Oil BBL		Water BBL	Oil Gra Corr. A		Ga: Gra	s avity		duction N 1/2" x 1-		20' x 21' x 2	24' RHAC Pump
2/17/12	2/27/12	24		>	39	59	157				,					
Choke	Tbg. Press	. Csg.	24 Hr		Oil	Gas	Water	Gas/Oil			ll Stati					
Size	Flwg. SI	Press.	Rate		BBL	MCF	BBL	Ratio		PF	RODU	ICING				
28a. Produc	ction - Inter	val B														
Date First	Test Date	Hours	Test		Oil		Water	Oil Gra		Ga		Pro	duction N	1ethod		
Produced		Tested	Produ	ction	BBL	MCF	BBL	Corr. A	rı	Gra	avity					
Choke	Tbg. Press	. Csg.	24 Hr		Oil	Gas	Water	Gas/Oil		We	ell Stati	us				
Size	Flwg. SI	Press.	Rate		BBL	MCF	BBL	Ratio								
		<u> </u>												RE	CEIVE	D
*(See inst	ructions and	spaces	tor addition	nal data	a on page 2	2)										

001 5		1.0									····	
	uction - Inte	Hours	Test	Oil	Gas	Water	Oil Gra	avity (Gas	Production Method		
Produced	Test Bate	Tested	Production	BBL	MCF	BBL	Corr. A		Gravity	i roduction rictiod		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oi Ratio	1	Well Status			
	uction - Inte						1					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gra Corr. A		Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oi Ratio	1	Well Status	1		
29. Dispos	sition of Ga	s (Solid, us	ed for fuel, ve	ented, etc.	, 	<u> </u>						
USED FOR	FUEL											
30. Sumn	nary of Porc	us Zones	(Include Aqu	ifers):					31. Formati	on (Log) Markers		
	ing depth int					intervals and al ing and shut-in			GEOLOGI	CAL MARKERS		
Eom	mation	Тор	Bottom		Doc	criptions, Cont	tanta ata			Name		Тор
1011	mation	l rob	Bottom		Des	criptions, con	iems, eic.			Name		Meas. Depth
GREEN RI	VER	4537'	6010'						GARDEN GU GARDEN GU		3780' 3988'	
									GARDEN GU POINT 3	LCH 2	4111' 4374'	
									X MRKR Y MRKR		4632' 4669'	
									DOUGLAS C BI-CARBONA		4795' 5045'	
									B LIMESTON CASTLE PEA		5174' 5643'	
									BASAL CARE WASATCH	ONATE	6090' 6213'	
			į									
32. Addit	tional remar	ks (include	plugging pro	cedure):								
33. Indica	ate which ite	ems have b	een attached	by placing	g a check in th	e appropriate b	ooxes:					
□ Ele	ctrical/Mech	anical Logs	(1 full set req	'd.)	Г	Geologic Repo	ort I	DST Repor	nt	☑ Directional Survey		
		_	and cement v	-		Core Analysis		Other:				
	· ·		•						ll available n	ecords (see attached instructions)	<u> </u>	
			ennifer Peat		ormanon is co	mpiete and con		Production 7		coras (see anaemea msu ucitons)	•	
	Signature		eatro	45			-	5/03/2012				-
Title 18 U	J.S.C. Section	n-1001 an	d Title 43 U.S	S.C. Section	on 1212, make	it a crime for a	any person l	knowingly and	d willfully to	make to any department or agend	cy of the U	nited States any
	ed on page 3								 		(F	orm 3160-4, page 2)



NEWFIELD EXPLORATION

USGS Myton SW (UT) SECTION 6 T9S, R17E Q-6-9-17

Wellbore #1

Design: Actual

Standard Survey Report

01 February, 2012





Survey Report



NEWFIELD EXPLORATION Company:

USGS Myton SW (UT) Project:

Site:

Design:

SECTION 6 T9S, R17E

Well: Wellbore:

Q-6-9-17 Wellbore #1 Actual

Local Co-ordinate Reference:

Well Q-6-9-17

TVD Reference: Q-6-9-17 @ 5379.0ft (Capstar 328) MD Reference: Q-6-9-17 @ 5379.0ft (Capstar 328)

North Reference:

Survey Calculation Method: Minimum Curvature

Database: EDM 2003.21 Single User Db

USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA Project

Map System: Geo Datum:

US State Plane 1983

North American Datum 1983

+E/-W

Map Zone:

Utah Central Zone

System Datum:

Mean Sea Level

Site SECTION 6 T9S, R17E

Site Position:

From:

Lat/Long

Northing: Easting:

7,195,000.00 ft

Latitude:

40° 3' 47.061 N

Position Uncertainty:

0.0 ft

Slot Radius:

2,047,000.00 ft

Longitude:

110° 2' 50.009 W

Grid Convergence: 0.93°

223.75

Well Q-6-9-17, SHL LAT: 40° 03' 29.01, LONG: -110° 03' 05.26

Well Position +N/-S

0.0 ft 0.0 ft Northing:

7,193,154,59 ft 2,045,844.09 ft Latitude:

40° 3' 29.010 N

Position Uncertainty

0.0 ft

0.0

Easting: Wellhead Elevation:

5,379.0 ft

0.0

Longitude: **Ground Level:** 110° 3' 5.260 W 5,367.0 ft

Wellbore Wellbore #1 Declination Field Strength Magnetics Model Name Sample Date Dip Angle (°) (nT) IGRF2010 9/22/2010 65.83 52,352 11.40

Design Actual **Audit Notes:** Version: ACTUAL Tie On Depth: 0.0 1.0 Phase: Depth From (TVD) +N/-S +E/-W Vertical Section: Direction (ft) (ft) (ft) (°)

0.0

2/1/2012 Survey Program Date From To Survey (Wellbore) (ft) (ft) **Tool Name** Description 347.0 6,241.0 Survey #1 (Wellbore #1) MWD MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
347.0	1.54	163.20	347.0	-4.5	1.3	2.3	0.44	0.44	0.00
377.0	1.80	158.70	376.9	-5.3	1.6	2.7	0.97	0.87	-15.00
408.0	2.50	178.80	407.9	-6.4	1.8	3.4	3.29	2.26	64.84
439.0	2.90	186.00	438.9	-7.9	1.8	4.5	1.69	1.29	23.23
469.0	2.90	190.60	468.9	-9.4	1.5	5.7	0.78	0.00	15.33
500.0	3.00	185.60	499.8	-11.0	1.3	7.0	0.89	0.32	-16.13
531.0	3.20	187.70	530.8	-12.6	1.1	8.3	0.74	0.65	6.77
561.0	3.60	193.70	560.7	-14.4	0.8	9.8	1.78	1.33	20.00
592.0	3.70	193.50	591.6	-16.3	0.3	11.5	0.33	0.32	-0.65
622.0	3.50	198.30	621.6	-18.1	-0.2	13.2	1.21	-0.67	16.00
652.0	3.60	197.40	651.5	-19.9	-0.8	14.9	0.38	0.33	-3.00
683.0	4.10	201.40	682.5	-21.8	-1.5	16.8	1.83	1.61	12.90



Survey Report



NEWFIELD EXPLORATION Company:

Project: USGS Myton SW (UT) SECTION 6 T9S, R17E Site:

Q-6-9-17 Well: Wellbore: Wellbore #1 Design: Actual

Local Co-ordinate Reference:

Well Q-6-9-17 TVD Reference: Q-6-9-17 @ 5379.0ft (Capstar 328)

MD Reference: Q-6-9-17 @ 5379.0ft (Capstar 328)

North Reference:

Survey Calculation Method: Minimum Curvature

Database: EDM 2003.21 Single User Db

rvey				re-response on the fact of the second					
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
714.0	4.90	202.20	713.4	-24.1	-2.4	19.0	2.59	2.58	2.58
744.0	5.10	203.30	743.3	-26.5	-3.4	21.5	0.74	0.67	3.67
775.0	4.80	204.80	774.1	-28.9	-4.5	24.0	1.05	-0.97	4.84
805.0	5.10	205.00	804.0	-31.3	-5.6	26.4	1.00	1.00	0.67
836.0	5.30	204,20	834.9	-33.8	-6.7	29.1	0.69	0.65	-2.58
880.0	6.00	202.80	878.7	-37.8	-8.4	33.1	1.62	1.59	-3.18
924.0	6.50	204.40	922.4	-42.2	-10.4	37.6	1.20	1.14	3.64
967.0	6.70	207.50	965.1	-46.6	-12.5	42.4	0.95	0.47	7.21
1,011.0	7.30	210.60	1,008.8	-51.3	-15.1	47.5	1.61	1.36	7.05
1,055.0	8.10	210.20	1,052.4	-56.4	-18.1	53.3	1.82	1.82	-0.91
1,099.0	8.40	209.50	1,096.0	-61.9	-21.3	59.4	0.72	0.68	-1.59
1,143.0	9.30	211.00	1,139.4	-67.7	-24.7	66.0	2.11	2.05	3.41
1,186.0	9.90	214,40	1,181.8	-73.8	-28.6	73.0	1.92	1.40	7.91
1,230.0	10.60	213.90	1,225.1	-80.2	-32.9	80.7	1,60	1.59	-1.14
1,274.0	11.30	215.10	1,268.3	-87.1	-37.7	89.0	1.67	1.59	2.73
1,318.0	11.90	217.20	1,311.4	-94.3	-42.9	97.8	1.67	1.36	4.77
1,362.0	12.10	220.40	1,354.5	-101.4	-48.6	106.9	1.58	0.45	7.27
1,406.0	12.80	224.00	1,397.4	-108.4	-55.0	116.3	2.37	1.59	8.18
1,449.0	13.10	225.00	1,439.3	-115.3	-61.8	126.0	0.87	0.70	2.33
1,493.0	13.40	224.60	1,482.2	-122.4	-68.9	136.1	0.71	0.68	-0.91
1,537.0	14.00	226.80	1,524.9	-129.7	-76.3	146.5	1.81	1.36	5.00
1,581.0	13.80	227.50	1,567.6	-136.9	-84.1	157.0	0.59	-0.45	1.59
1,625.0	14.10	229.60	1,610.3	-143.9	-92.0	167.6	1.34	0.68	4.77
1,669.0	13.80	230.40	1,653.0	-150.7	-100.2	178.1	0.81	-0.68	1.82
1,713.0	13.60	231.20	1,695.8	-157.3	-108.2	188.5	0.63	-0.45	1.82
1,757.0	13.70	230.70	1,738.5	-163.9	-116.3	198.8	0.35	0.23	-1.14
1,801.0	13.40	231.20	1,781.3	-170.4	-124.3	209.0	0.73	-0.68	1.14
1,845.0	12.90	229.50	1,824.2	-176.7	-132.0	219.0	1.44	-1.14	-3.86
1,888.0	12.80	228.00	1,866.1	-183.0	-139.2	228.5	0.81	-0.23	-3.49
1,932.0	12.60	226.00	1,909.0	-189.6	-146.3	238.1	1.10	-0.45	-4.55
1,976.0	12.40	223.20	1,952.0	-196.4	-153.0	247.7	1.45	-0.45	-6.36
2,020.0	12.30	223.00	1,994.9	-203.3	-159.4	257.1	0.25	-0.23	-0.45
2,063.0	12.50	223.30	2,036.9	-210.0	-165.7	266.3	0.49	0.47	0.70
2,107.0	13.10	223.40	2,030.9	-217.1	-172.4	276.0	1.36	1.36	0.23
2,151.0	13.00	224.00	2,122.7	-224.3	-179.3	286.0	0.38	-0.23	1.36
2,195.0	13.20	224.40	2,165.6	-231.4	-186.2	296.0	0.50	0.45	0.91
2,239.0	12.80	222.30	2,208.4	-238.6	-193.0	305.9	1.41	-0.91	-4.77
2,282.0	12.80	220.70	2,250.4	-245.8	-199.3	315.4	0.82	0.00	-3.72
2,282.0 2,326.0	13.00	220.70	2,250. 4 2,293.3	-245.6 -253.2	-199.3 -205.7	315.4	0.62	0.45	-3.72 0.45
2,370.0	13.10	223.20	2,293.3	-260.6	-203.7	335.1	1.20	0.43	5.23
2,414.0	13.10	223.90	2,379.0	-267.8	-219.3	345.1	0.36	0.00	1.59
2,458.0	13.30	225.40	2,421.8	-275.0	-226.3	355.1	0.90	0.45	3.41
								0.23	-0.47
2,501.0 2,545.0	13.40 12.90	225.20 223.60	2,463.7 2,506.5	-281.9 -289.1	-233.4 -240.4	365.1 375.1	0.26 1.41	-1.14	-3.64
2,545.0 2,589.0	12.90	223.60	2,549.4	-209.1 -296.3	-240.4	384.9	1.41	0.00	-4.55
2,633.0	12.00	218.50	2,592.4	-303.6	-253.1	394.3	2.55	-2.05	-7.05
2,677.0	11.60	219.20	2,635.4	-310.6	-258.8	403.3	0.97	-0.91	1.59
2,720.0	11.70	217.90	2,677.5	-317.4 324.4	-264.2	412.0 421.0	0.65	0.23	-3.02 5.91
2,764.0 2,808.0	12.08 12.50	220.50 222.20	2,720.6 2,763.6	-324.4 -331.4	-269.9 -276.1	421.0 430.3	1.49 1.26	0.86 0.95	3.86
2,806.0 2,852.0	12.50	222.20	2,763.6 2,806.5	-331.4 -338.5	-276.1	439.9	0.47	0.45	0.61
2,896.0	12.70	224.90	2,849.4	-345.6	-289.3	449.7	1.31	0.45	5.52
			•						
2,940.0	14.00	228.90	2,892.2	-352.5	-296.8	459.9 470.4	3.27 1.52	2.50	9.09



Survey Report



Company:

NEWFIELD EXPLORATION

Project: Site:

USGS Myton SW (UT)

Well:

SECTION 6 T9S, R17E Q-6-9-17

Wellbore:

Wellbore #1

Design:

Actual

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Database:

Q-6-9-17 @ 5379.0ft (Capstar 328) Q-6-9-17 @ 5379.0ft (Capstar 328)

Survey Calculation Method:

Minimum Curvature

Well Q-6-9-17

EDM 2003.21 Single User Db

/ey									TARREST SERVICES SERVICES
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
3,027.0	14.80	235.30	2,976.5	-366.0	-313.7	481.3	2.63	0.91	9.77
3,071.0	16.00	234.80	3,018.9	-372.7	-323.3	492.8	2.74	2.73	-1.14
3,115.0	16.08	232.80	3,061.2	-379.8	-333.1	504.7	1.27	0.18	-4.55
3,158.0	15.30	231.80	3,102.6	-387.0	-342.3	516.2	1.92	-1.81	-2.33
3,202.0	15.20	231.10	3,145.1	-394.2	-351.4	527.7	0.48	-0.23	-1.59
3,246.0	15.70	229.10	3,187.5	-401.7	-360.4	539.4	1.66	1.14	-4.55
3,290.0	16.35	226.73	3,229.8	-409.8	-369.4	551.5	2.10	1.48	-5.39
3,334.0	16.17	227.13	3,272.0	-418.2	-378.4	563.8	0.48	-0.41	0.91
3,377.0	16.40	226.50	3,313.3	-426.5	-387.2	575.8	0.67	0.53	-1.47
3,421.0	16.00	225.30	3,355.5	-426.5 -435.0	-396.0	588.1	1.19	-0.91	-2.73
3,465.0	16.40	227.30	3,397.8	-443.5	-404.9	600.3	1.56	0.91	4.55
3,509.0	16.30	226.80	3,440.0	-452.0	-413.9	612.7	0.39	-0.23	-1.14
3,553.0	16.20	226.80	3,482.2	-460.4	-422.9	625.0	0.23	-0.23	0.00
			3,524.5	-468.7			0.39		
3,597.0 3,640.0	16.10 15.70	227.30 225.70	3,524.5 3,565.9	-468.7 -476.8	-431.9 -440.4	637.2 649.0	0.39 1.38	-0.23 -0.93	1.14 -3.72
3,684.0	15.00	223.60	3,608.3	-476.6 -485.1	-440.4 -448.6	660.6	2.03	-0.93 -1.59	-3.72 -4.77
3,728.0	14.60	223.60	3,650.8	-493.2	-456.3	671.9	0.91	-0.91	0.00
3,771.0	14.80	223.00	3,692.4	-501.2	-463.8	682.8	0.58	0.47	-1.40
3,815.0									-0.80
3,815.0	14.70 14.50	222.65 221.90	3,735.0 3,778.5	-509.4 -517.8	-471.4 -479.1	694.0 705.3	0.30 0.61	-0.23 -0.44	-0.80 -1.67
3,904.0	14.10	221.90	3,821.2	-517.6 -525.9	-479.1 -486.3	705.3 716.2	0.61	-0.44 -0.91	-0.45
3,948.0	14.00	222.10	3,863.8	-523.9 -533.9	-493.4	726.9	0.32	-0.23	0.91
3,991.0	13.60	221.90	3,905.6	-541.5	-500.3	737.1	0.94	-0.93	-0.47
4,035.0	13.80	224.10	3,948.3	-549.1	-507.4	747.5	1.27	0.45	5.00
4,079.0	13.60	224.00	3,991.1	-556.6	-514.7	757.9	0.46	-0.45	-0.23
4,123.0	13.70	224.50	4,033.8	-564.0	-521.9	768.3	0.35	0.23 0.00	1.14 -3.72
4,166.0 4,210.0	13.70 13.10	222.90 221.81	4,075.6 4,118.4	-571. 4 -578.9	-528.9 -535.8	778.5 788.7	0.88 1.48	-1.36	-3.72 -2.48
4,254.0	12.90	222.70	4,161.3	-586.2	-542.5	798.6	0.64	-0.45	2.02
4,298.0	12.20	221.00	4,204.2	-593.4	-548.8	808.2	1.80	-1.59	-3.86
4,342.0	12.00	221.10	4,247.3	-600.3	-554.9	817.4	0.46	-0.45	0.23
4,386.0	11.40 10.80	223.90	4,290.4	-606.9	-560.9 - 566.7	826.3 834.8	1.88 1.48	-1.36 -1.36	6.36 -2.95
4,430.0	10.00	222.60	4,333.5	-613.1	-300.7	034.0	1.40		
4,473.0	10.90	221.40	4,375.8	-619.1	-572.2	842.8	0.57	0.23	-2.79
4,517.0	11.30	223.00	4,418.9	-625.4	-577.8	851.3	1.15	0.91	3.64
4,561.0	11.80	223.50	4,462.0	-631.8	-583.9	860.1	1.16	1.14	1.14
4,605.0	12.00	223.30	4,505.1	-638.4	-590.1	869.2	0.46	0.45	-0.45 5.58
4,648.0	11.80	225.70	4,547.2	-644.7	-596.3	878.1	1.24	-0.47	
4,692.0		224.40	4,590.2	-651.0	-602.7	887.1	0.60	0.00	-2.95
4,736.0	11.50	224.80	4,633.3	-657.4	-608.9	895.9	0.71	-0.68	0.91
4,779.0	11.00	229.40	4,675.5	-663.1	-615.1	904.3	2.39	-1.16	10.70
4,823.0	11.50	229.80	4,718.7	-668.6 674.2	-621.6	912.8	1.15	1.14	0.91
4,867.0	12.20	234.10	4,761.7	-674.2	-628.7	921.8	2.56	1.59	9.77
4,911.0	12.80	237.00	4,804.7	-679.6	-636.6	931.1	1.97	1.36	6.59
4,955.0	13.10	234.20	4,847.6	-685.2	-644.7	940.8	1.58	0.68	-6.36
4,998.0	12.80	234.60	4,889.5	-690.8	-652.5	950.2	0.73	-0.70	0.93
5,003.7	12.85	234.68	4,895.0	-691.5	-653.6	951.5	0.96	0.91	1.40
Q-6-9-17 TO						The Alexander	to the Control	e for seen early	
5,042.0	13.20	235.20	4,932.4	-696.5	-660.6	959.9	0.96	0.91	1.36
5,086.0	13.50	233.70	4,975.2	-702.4	-668.9	969.9	1.04	0.68	-3.41
5,130.0	13.50	234.80	5,017.9	-708.4	-677.2	980.0	0.58	0.00	2.50
5,174.0	13.10	232.30	5,060.8	-714.4	-685.4	990.0	1.59	-0.91	-5.68
5,218.0	12.80	232.70	5,103.6	-720.4	-693.2	999.7	0.71	-0.68	0.91
5,261.0	12.70	231.00	5,145.6	-726.2	-700.7	1,009.1	0.90	-0.23	-3.95



Survey Report



Company:

NEWFIELD EXPLORATION

Project: Site: USGS Myton SW (UT)

Well:

SECTION 6 T9S, R17E Q-6-9-17

Wellbore: Design: Wellbore #1 Actual Local Co-ordinate Reference:

TVD Reference:

MD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Database:

Well Q-6-9-17

Q-6-9-17 @ 5379.0ft (Capstar 328)

Q-6-9-17 @ 5379.0ft (Capstar 328)

irue

Minimum Curvature

EDM 2003.21 Single User Db

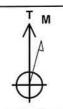
Measured		eNext and the company of the company of	Service Control of the Control of th						
Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
5,304.0	12.70	230.40	5,187.5	-732.2	-708.0	1,018.5	0.31	0.00	-1.40
5,349.0	13.30	229.50	5,231.4	-738.7	-715.7	1,028.6	1.41	1.33	-2.00
5,392.0	12.80	226.60	5,273.3	-745.2	-723.0	1,038.3	1.92	-1.16	-6.74
5,436.0	12.50	227.40	5,316.2	-751.8	-730.0	1,047.9	0.79	-0.68	1.82
5,481.0	11.80	224.80	5,360.2	-758.4	-736.8	1,057.3	1.97	-1.56	-5.78
5,525.0	12.40	223.90	5,403.2	-765.0	-743.3	1,066.6	1.43	1.36	-2.05
5,569.0	12.80	225.20	5,446.2	-771.8	-750.0	1,076.2	1.11	0.91	2.95
5,613.0	12.30	223.70	5,489.1	-778.6	-756.7	1,085.7	1.36	-1.14	-3.41
5,657.0	12.00	218.00	5,532.1	-785.6	-762.8	1,094.9	2.81	-0.68	-12.95
5,700.0	12.57	215.80	5,574.1	-792.9	-768.2	1,104.0	1.72	1.33	-5.12
5,744.0	13.10	218.10	5,617.0	-800.7	-774.1	1,113.7	1.67	1.20	5.23
5,788.0	13.80	222.00	5,659.8	-808.6	-780.7	1,123.9	2.60	1.59	8.86
5,832.0	14.30	221.10	5,702.5	-816.6	-787.8	1,134.6	1.24	1.14	-2.05
5,876.0	13.62	220.00	5,745.2	-824.6	-794.7	1,145.2	1.66	-1.55	-2.50
5,920.0	13.30	220.90	5,788.0	-832.4	-801.3	1,155.4	0.87	-0.73	2.05
5,964.0	12.61	220.20	5,830.9	-839.9	-807.8	1,165.3	1.61	-1.57	-1.59
6,007.0	12.60	221.20	5,872.9	-847.0	-813.9	1,174.7	0.51	-0.02	2.33
6,051.0	12.00	223.10	5,915.8	-854.0	-820.2	1,184.0	1.64	-1.36	4.32
6,095.0	10.85	222.29	5,959.0	-860.4	-826.1	1,192.7	2.64	-2.61	-1.84
6,139.0	10.46	221.70	6,002.2	-866.4	-831.5	1,200.9	0.92	-0.89	-1.34
6,178.0	9.71	218.40	6,040.6	-871.6	-835.9	1,207.7	2.43	-1.92	-8.46
6,232.0	9.71	218.40	6,093.8	-878.8	-841.6	1,216.8	0.00	0.00	0.00

Checked By:	Approved Pv	Date	•
Checked By:	Approved By:	Date:	



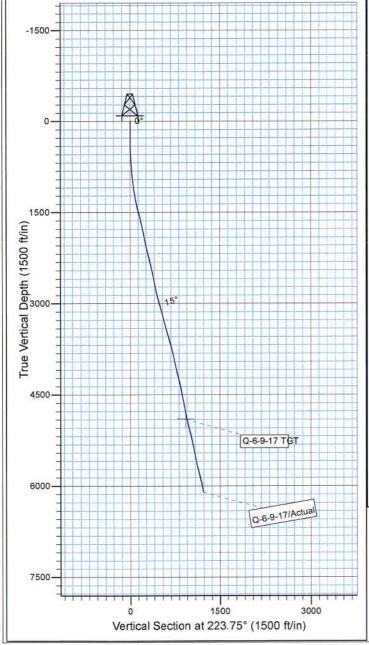
Project: USGS Myton SW (UT) Site: SECTION 6 T9S, R17E

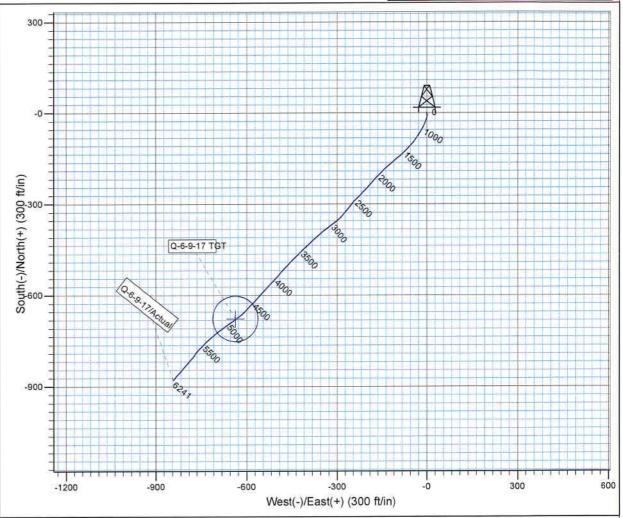
Well: Q-6-9-17 Wellbore: Wellbore #1 Design: Actual



Azimuths to True North Magnetic North: 11.40°

Magnetic Field Strength: 52352.2snT Dip Angle: 65.83° Date: 9/22/2010 Model: IGRF2010







Design: Actual (Q-6-9-17/Wellbore #1)

Created By: Sarah Webb

Date:

17:49, February 01 2012

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA